

Title (en)

Hearing aid with cancellation of acoustic feedback

Title (de)

Hörhilfegerät mit Unterdrückung der akustischen Rückkopplung

Title (fr)

Prothèse auditive avec suppression du couplage acoustique

Publication

EP 0656737 B1 19980121 (DE)

Application

EP 94117510 A 19941107

Priority

- EP 94117510 A 19941107
- EP 93118186 A 19931110

Abstract (en)

[origin: EP0585976A2] In a hearing aid with a gain filter section, the acoustomechanical noise feedback is compensated for by means of a compensator (15). The signal connection at the compensator (15) and preferably also at the gain filter section (5) is in the frequency domain, for which purpose a differentiating unit (13), into which the compensator signal is injected, is followed by time-domain/frequency-domain transformation units (20, 28), or corresponding inverse transformation units (26, 24). <IMAGE>

IPC 1-7

H04R 25/00; H04R 3/02

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US); **H04R 25/505** (2013.01 - EP US)

Cited by

EP1469702A3; FR2853804A1; DE19957128C1; DE19922133A1; DE19922133C2; US7324651B2; US6650124B2; US6628794B1; WO0195578A3

Designated contracting state (EPC)

AT CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0585976 A2 19940309; **EP 0585976 A3 19940601**; AT E162679 T1 19980215; DE 59405093 D1 19980226; DK 0656737 T3 19980914; EP 0656737 A1 19950607; EP 0656737 B1 19980121; US 5661814 A 19970826

DOCDB simple family (application)

EP 93118186 A 19931110; AT 94117510 T 19941107; DE 59405093 T 19941107; DK 94117510 T 19941107; EP 94117510 A 19941107; US 33518094 A 19941107